

Abdifatah Adan Abdiladif

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**Professional Summary**

Over 3 Years of IT industry experience as a System Administrator with Strong Linux administration skills & willingness to learn and to support new technologies. Good implementation/troubleshooting skills on LINUX, AWS CLOUD, DEVOPS, SHELL SCRIPT.

Actively interface with Application teams, network engineers, servers, storage and database administrators to identifying root cause, troubleshoot and resolve issues quickly and effectively.

**IT Skills:**

* **Operating System:** RHEL 7, CentOS 7
* **Server Hardware:** HP Proliant Servers & Dell midrange servers
* **File Systems:** Linux filesystem management (ext2/3/4 & xfs).
* **Software Management:** RPM & YUM
* **Network Services:** NFS, DNS, SSH, FTP, DHCP, APACHI, NGINX, NTP**.**
* **AWS Cloud:** EC2, AMI, Snapshot, EBS Volumes, IAM, VPC
* **Automation:** Ansible, shell scripting, cron job scheduling
* **Container tool:** docker, docker swarm, Kubernetes
* **Authentication:** Google Authenticator, SSH key based authentication
* **Database:** MariaDB
* **Monitoring Tools:**  Nagios
* **Ticketing Tool:** ServiceNow
* Virtualization : oracle Virtual Box, VMware.
* Backup : Amanda Backup.
* Cloud Products/Platform : Amazon Web Services.
* Databases : MySQL, MariaDB
* Web Servers : Apache.
* Operating Systems : Windows, Linux – Red Hat/Centos/Ubuntu.
* Apache, tomcat, Nginx, VMware, Docker, Kubernetes Ansible GitHub, Jenkins, Amazon Web Service

Expert knowledge of a variety of network management tools, test equipment, circuits, and routers.

Extensive knowledge of TCP/IP protocol stacks and firewall security in an inter-networking environment.

Knowledge of Quality of Service and experience designing/implementing QoS in an enterprise environment.

Advanced knowledge in Cisco Network including:

Cisco firewalls, switches & routers

Cisco Wireless LAN Controller and LWAPP

Excellent interpersonal, organizational, customer service, communications, and presentation skills.

Experience with Cisco network knowledge as indicated above

Experience working on project teams including providing technical consultation to project managers on impacts to network infrastructure.

Experience in performance tuning, hardware refresh, monitoring, backup and recovery, and security.

**Educational Qualification:**

Information communication technology (ICT)

 **Cisco certified CCna**

 **Aws amazon web server**

* Red Hat Certification (RHCSA—Red Hat Certified Solution Associate)
* Red Hate Certification (RHCE –Red Hat Certified engineer

Verify link - <https://www.redhat.com/rhtapps/services/certifications>

**Professional Experience:**

**Company:**

**Client:** SEQUELSOFT INDIA LTD

**Designation:** Linux System Administrator & NETWORK&DEVOPS

**Working Period:** From oct/3/ 2017 Till Date mar/3/2021

**Roles and Responsibilities:**

**LINUX:**

Providing day-to-day support based on the tickets to resolve user requests & issues.

* Building & decommissioning servers in VMWare & cloud.
* User and Group Administration like creating, modifying/deleting user account, password aging policies, locking and unlocking user accounts. Providing sudo privileges to users.
* Booting procedure, filesystem hierarchy
* Managing Virtual Memory and filesystem utilization, performing housekeeping by removing/compressing log files.
* Performing backup and restoration using gzip and tar.
* File System administration (expand/reduce) using LVM and troubleshooting using fsck.
* Implementing and troubleshooting different RAID levels like RAID0 and RAID1.
* Configuration and Administration of NFS, iSCSI (SAN), FTP and SAMBA on Linux environment.
* Analyzing & monitoring system performance through various sources like free, top, sar, iOS tat, vmstat.
* Performing OS installation & updating and package management through yum to install, remove and upgrade packages.
* Implementing and troubleshooting NFS, Apachi,NGINX in the LINUX environment.
* Experience in root password recovery and emergency target issues.
* Scheduling scripts through cron job to perform backups & monitoring.
* Managing file permissions & setting Sticky bit, applying suid for files and sgid on directory level and soft link ,hard link .
* Performing kernel update, install and backup MariaDB, creating tables, databases and giving permissions to users in MariaDB.
* Adding more security with Google Authenticator Wrappers.
* Configuring IP address, Subnet Masks and Gateway Addresses on Hosts
* Vendor Interaction for Hardware Replacement or Root Cause Analysis (RCA).

**DEVOPS:**

**ANSIBLE:**

* Deploying complete ansible environment, writing and implementing playbooks.
* Hands on experience on ansible variables, looping and handlers, error-handling, conditional statements, debug,register,gathers facts about remote host.
* Hands on experience on ansible tagging and executing the child playbooks with parent playbook using ansible inclusions.
* Working on ansible modules like copy, fetch, file, yum, service, user, firewall etc.
* working on ansible roles implementation and how they are used.
* Working on ansible inventory file configuration, templates

**DOCKER:**

* hands-on experience in Docker installation, docker architecture, Docker file
* hands-on experience in volumes, bind mount, NFS volume mount, docker-compose, Docker swarm
* hands-on experience in bridge network, Overlay network driver
* hands-on experience in backup and restore
* hands-on experience in port forwarding, Pulling, pushing a Docker image from Docker Hub

**KUBERNETES:**

* Working in Kubernetes architecture, Kubernetes components and responsibility,k8s installation
* Working in Creating pods , Namespaces, Resource Requests , Multi container pod
* Working in Labels, Selectors, Kubernetes Deployments, Replica Set, Stateful set
* hands-on experience in Rolling updates and Rolling backs, Services
* Knowledge in Upgrading the Kubernetes Cluster, Backup acted in Kubernetes cluster, Cronjobs,emptyDir volume
* hands-on experience in Container Network Interface CNI in Kubernetes, ClusterIP and Node Port in Kubernetes, DaemonSet,static-pod in Kubernetes, Load Balancer service in Kubernetes
* Ingress service in Kubernetes, Persistent Volume, PersistantVolumeClaim and Storage Class (PV, PV(NFS) and PVC), dynamic PVC, pod deploy with NFS
* Knowledge in secrets and configmap,probs,RBAC
* Working in pods create in particular nodes, create labels to node and create pods in nodeSelector

**SHELL SCRIPT:**

* Writing and executing shell scripts as per requirement.
* Working and good knowledge on sed, awk, grep, cut commands.
* Wrote shell scripts for many scenarios like checking disk space and sending mails if disk is cross threshold value.
* Knowledge and working on variables and command line arguments.
* Working on output command echo and input command read.
* Working on redirections and shell variables.
* Writing scripts like accessing data from log files, checking other server connectivity, deleting old files.
* Knowledge and working on if conditions, case statements, for and while loops.

**AWS:**

Involved in utilizing almost all of the AW’S stack (Including EC2, IAM, ELB, VPC, SNAPSHOTS) focusing on availability, fault tolerance and auto-scaling.

* Launching Instances through Elastic cloud compute.
* Taking AMI image (snapshot) offline online of an AWS instance.
* Creating snapshots from volumes and volumes from snapshots.
* Volume’s creations/modifications and attaching to Instances.
* Creating Security Groups for instances.
* Shutdown/Reboot/Stop/Terminate of AWS instances.
* Created VPC’S and subnets for vpc.
* Managed VPC’S and internet gateway and routing tables and key pairs and security groups.

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